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CLAIMS

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- 1. A computer software system comprising:
- a view sub-system including presentation objects which provide a user interface;
- a business logic sub-system including business object implementation objects which hold business data objects and implement business functions;
 - a handler sub-system including controller objects which control a sequence of actions in a use case; and
 - a view context sub-system including at least one context object which is arranged to capture input and output data.
 - 2. The computer software system of claim 1 wherein:
 - the view context sub-system is arranged to capture the input and output data which populates the presentation objects of the view sub-system.
 - 3. The computer software system of claim 1, wherein:
- the view context sub-system also comprises data interfaces for the business logic sub-system.
 - 4. The computer software system of claim 1, wherein:
 - the context objects included in the view context sub-system are updated when input is entered into the view sub-system by a user; and

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the context data objects are updated by the handler sub-system whenever business logic is executed on any of the context objects.

- 5 5. The computer software system of claim 1 wherein: the view sub-system refreshes the presentation objects with the input and output data from the view context sub-system.
- 10 6. The computer software system of claim 1, wherein: the view context sub-system is represented in a platform-independent format.
 - 7. The computer program comprising:

at least one view object comprising presentation objects which provide a user interface;

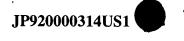
at least one business logic object comprising business data objects and arranged to implement business functions;

at least one handler object which controls actions of at least one of the view objects and actions of at least one of the business objects; and

at least one view context object comprising data objects which capture a state of at least one of the view objects.

- 8. The computer program according to claim 7, wherein:

 each view context object is associated with a single view object; and
 the view context object is arranged to capture all data objects needed to
 populate the presentation objects of the associated view object at any one time.
 - 9. The computer program according to claim 8, wherein:



each view context object also comprises data interfaces for the business logic objects accessed in a use case in which the associated view participates.

5 10. The computer program according to claim 8, wherein:

the data objects associated with a view context object are updated when input is entered into the associated view object by a user; and

data elements are updated by a handler object whenever business logic is executed on the data elements.

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11. The computer program according to claim 8 wherein:

the view object associated with a view context object is refreshed with the data objects associated with a view context object.

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12. The computer program according to claim 7, wherein:

the at least one view context object is represented in a separate platform-independent format.

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13. A method of passing data in an object oriented application having at least one handler object, the method comprising the steps of:

creating a view object with the handler object;

creating a view context object with the view object;

passing the view context object to the handler object;

Updating the view context object with the handler object; and

refreshing the view object from the view context object.